

FIG. 1

He and other Gasses

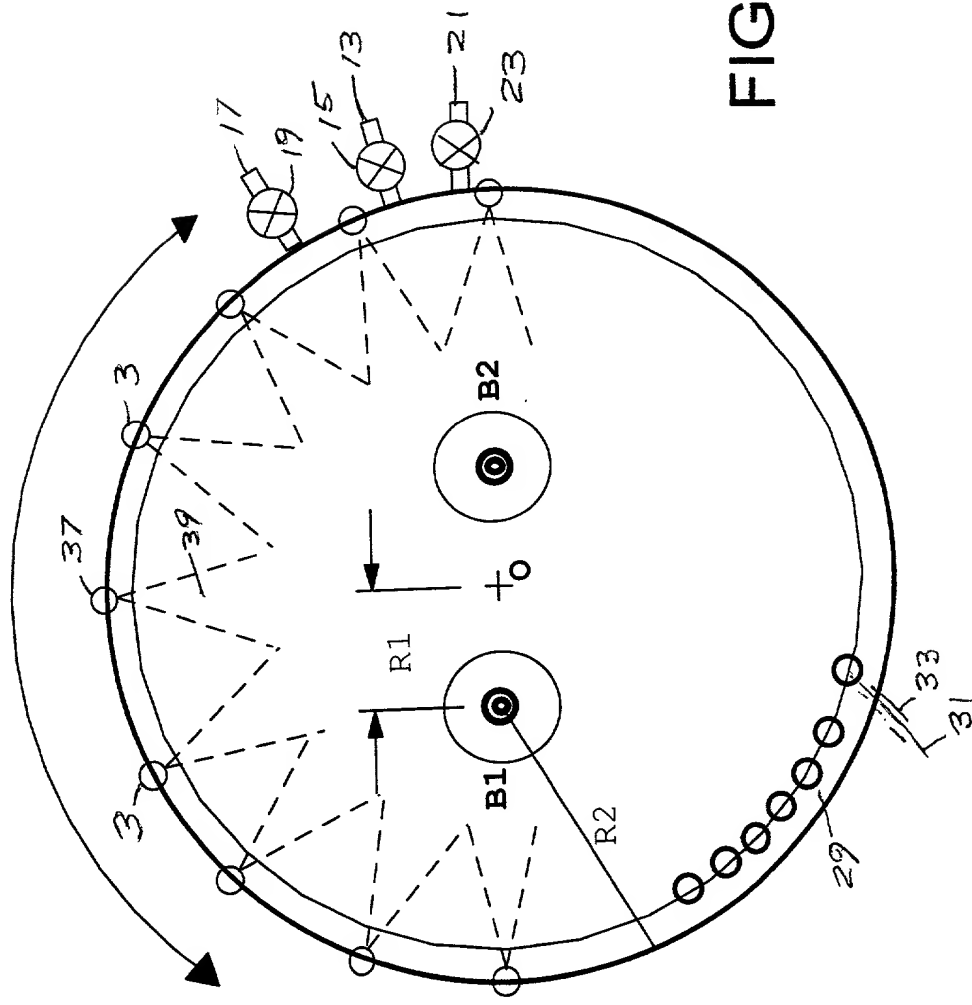


FIG. 2

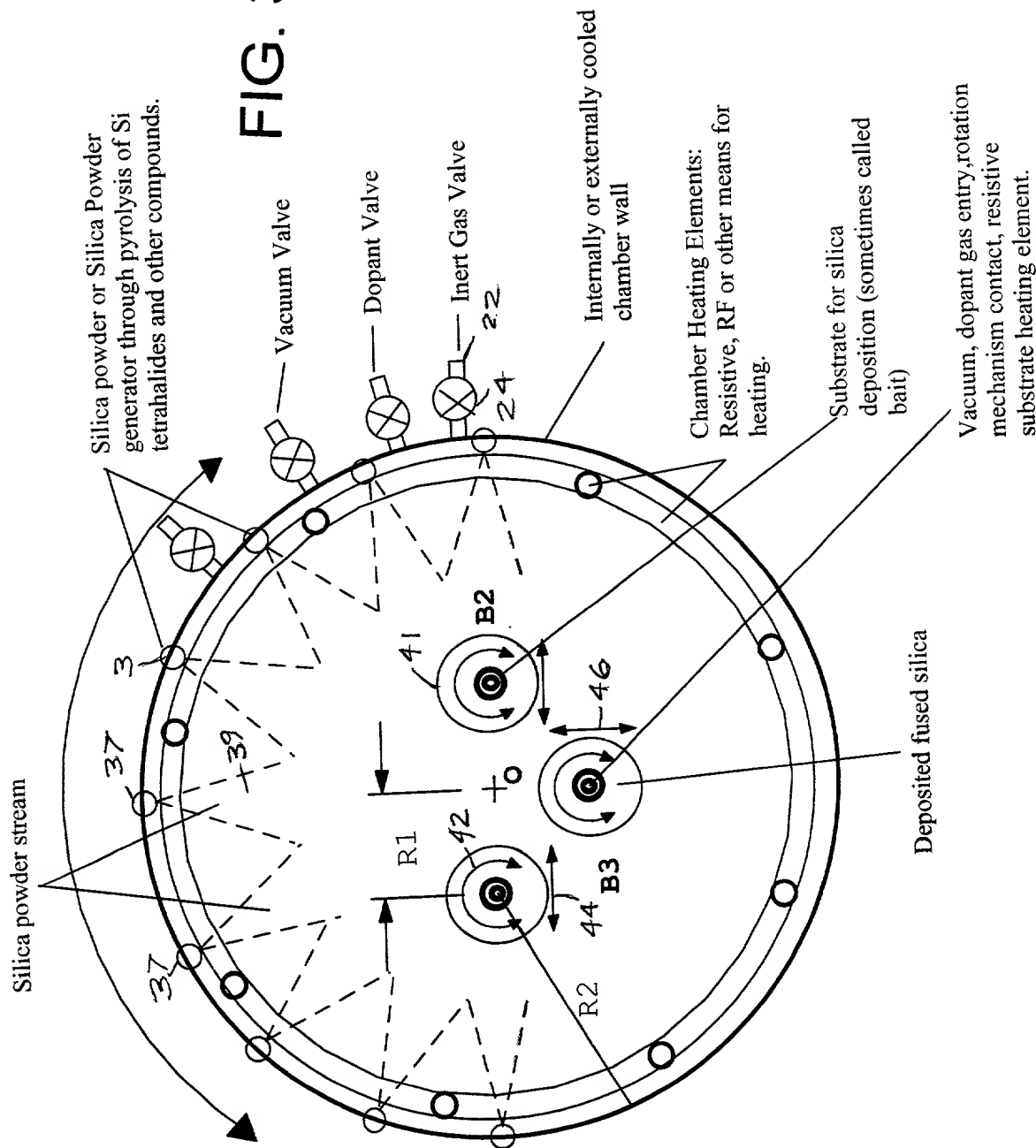


FIG. 3

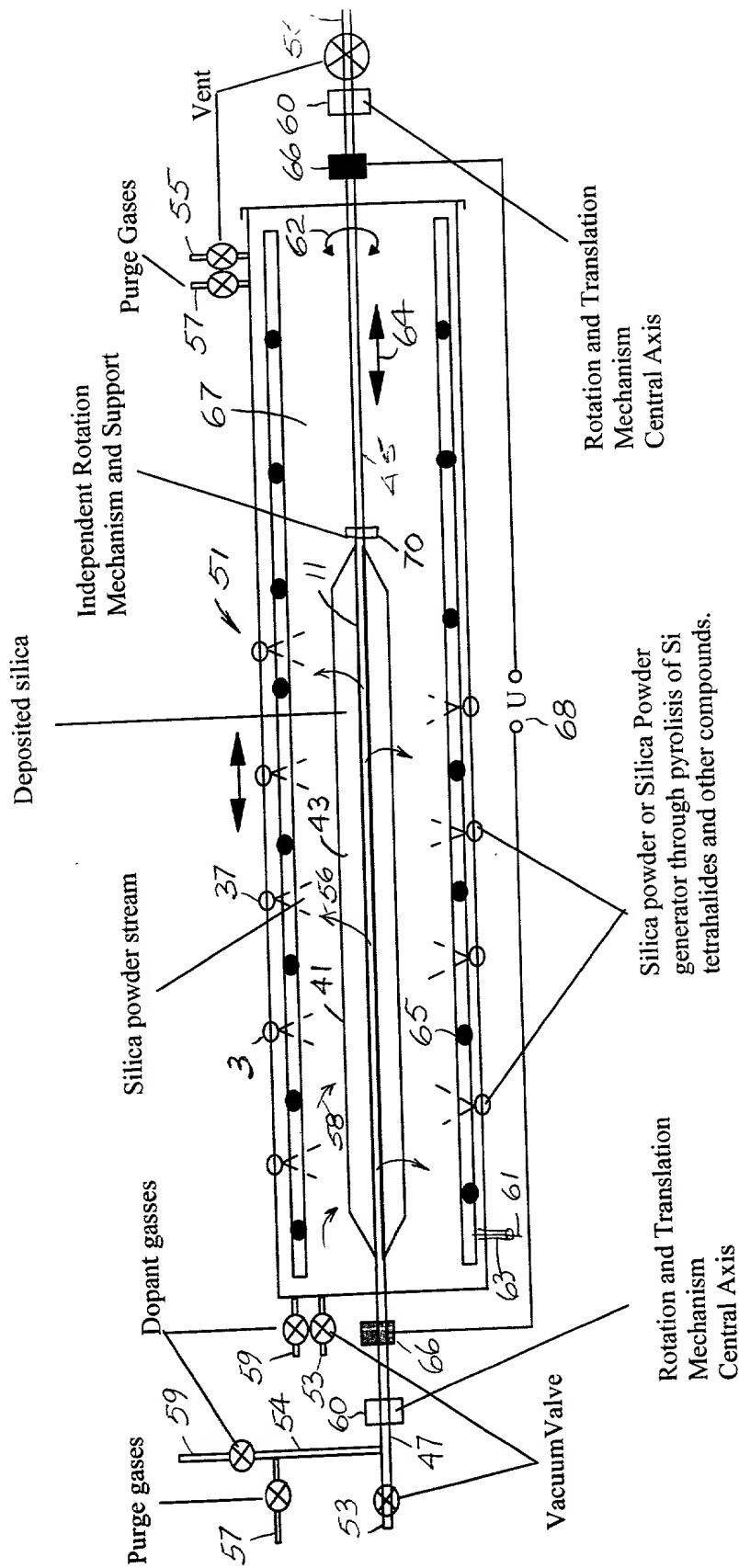


FIG. 4

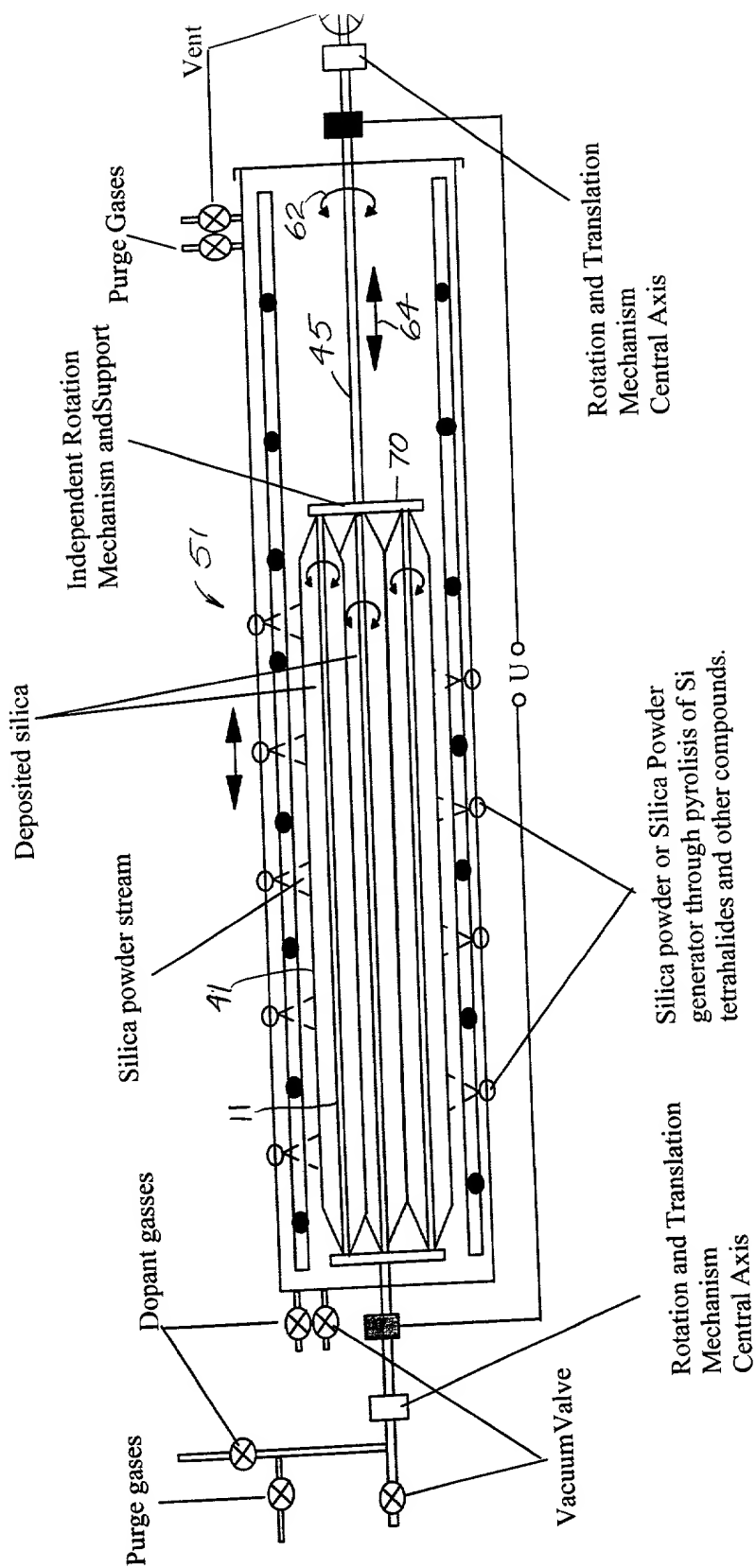


FIG. 5

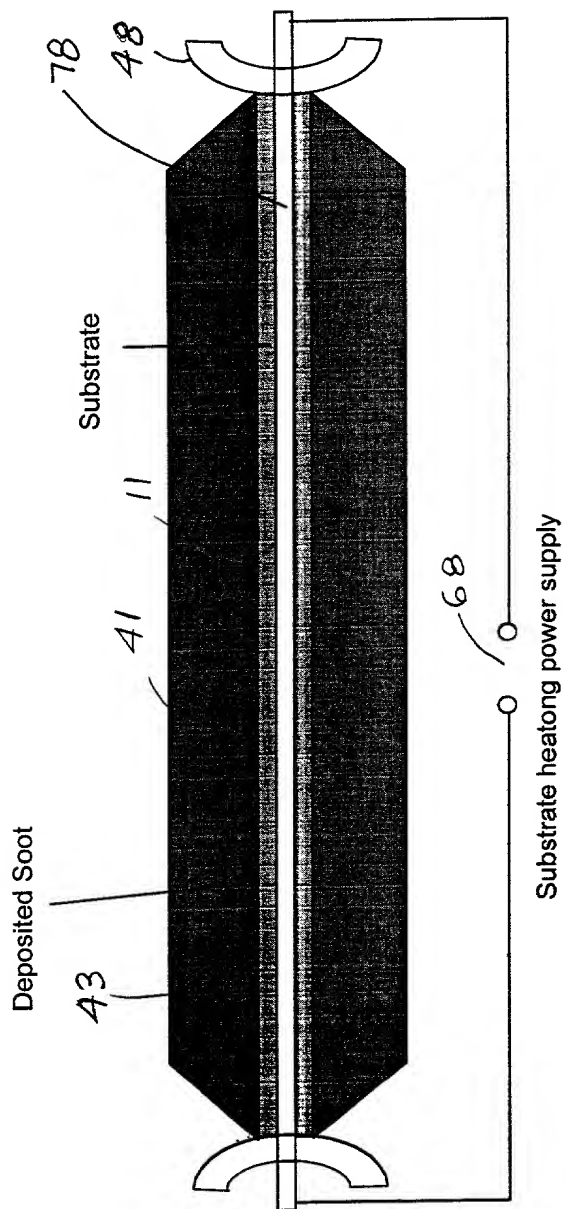
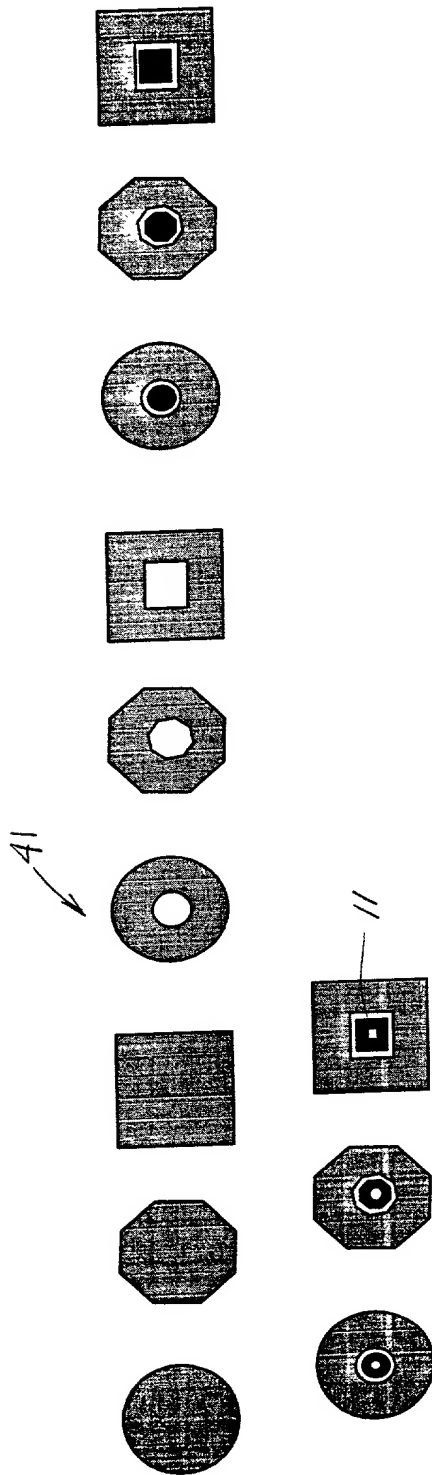


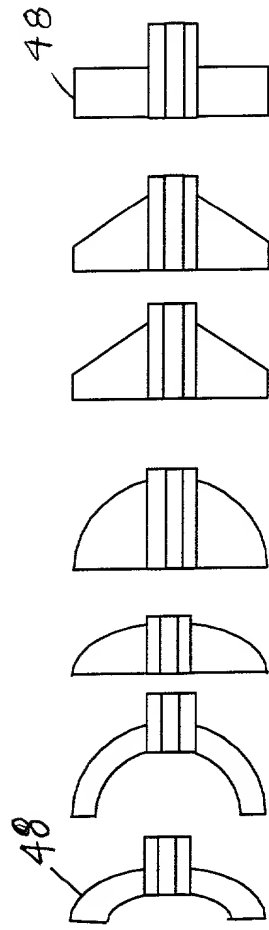
FIG. 6

105130 8-16-83 3300



Preform and Substrate cross sections

FIG. 7



Substrate end attachments

FIG. 8



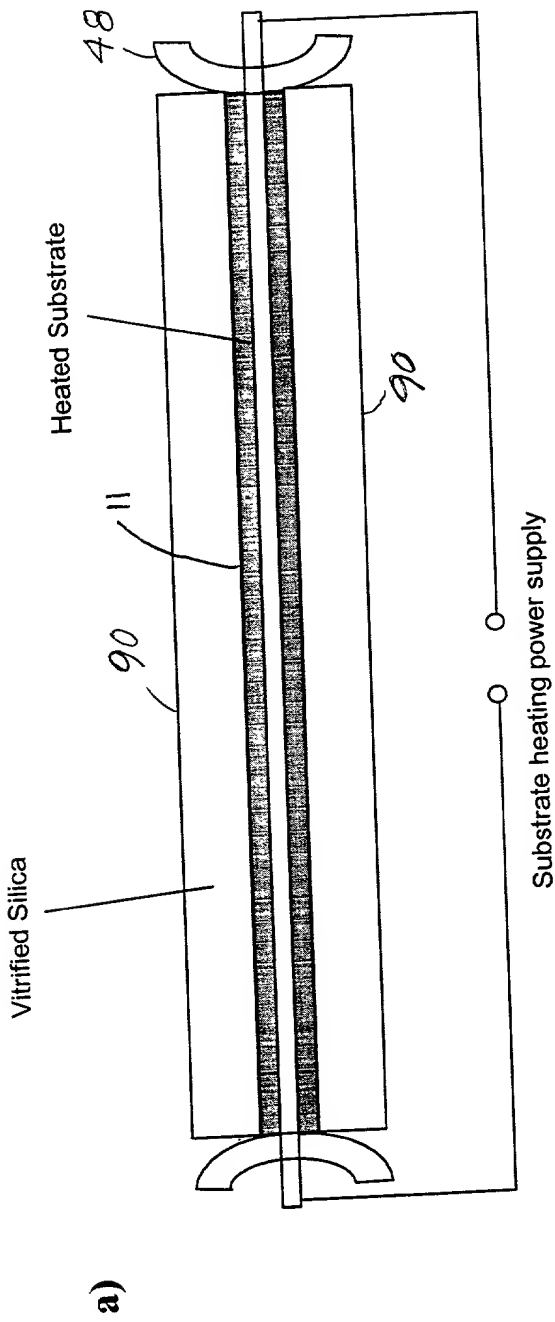
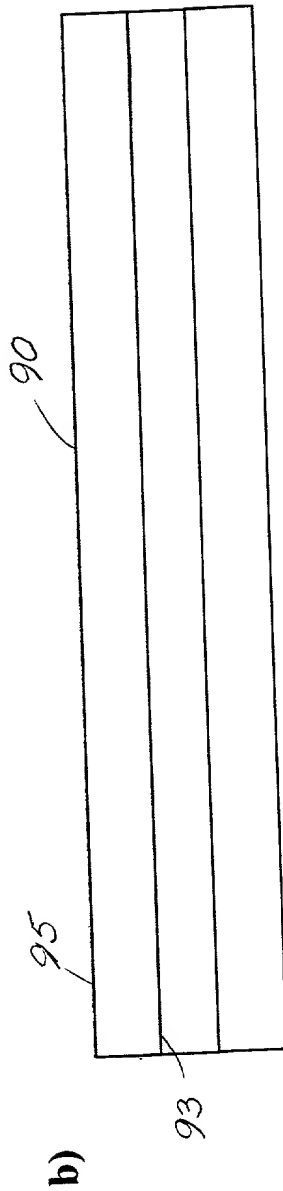


FIG. 9A



Silica Tube Member

FIG. 9B

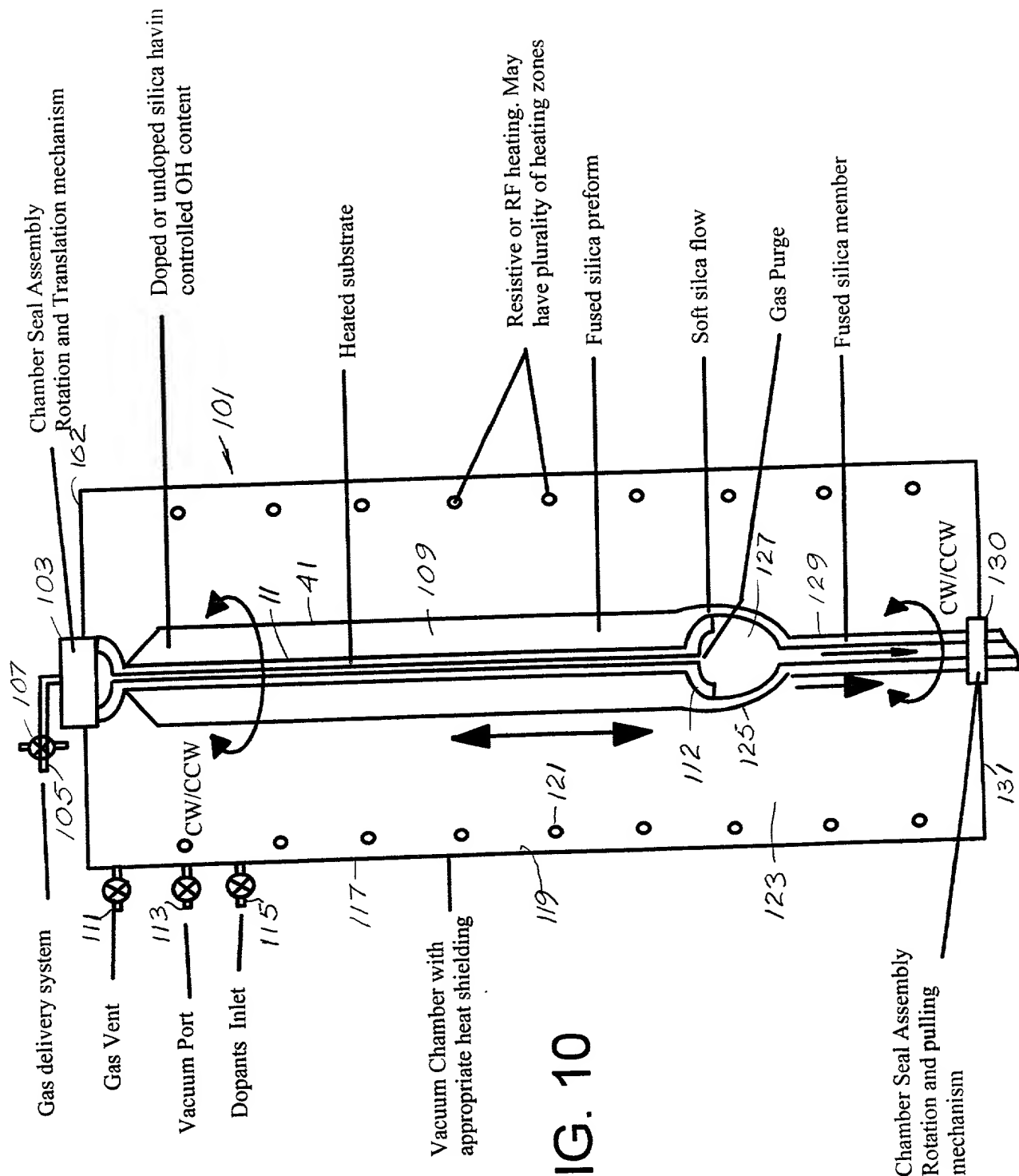


FIG. 10

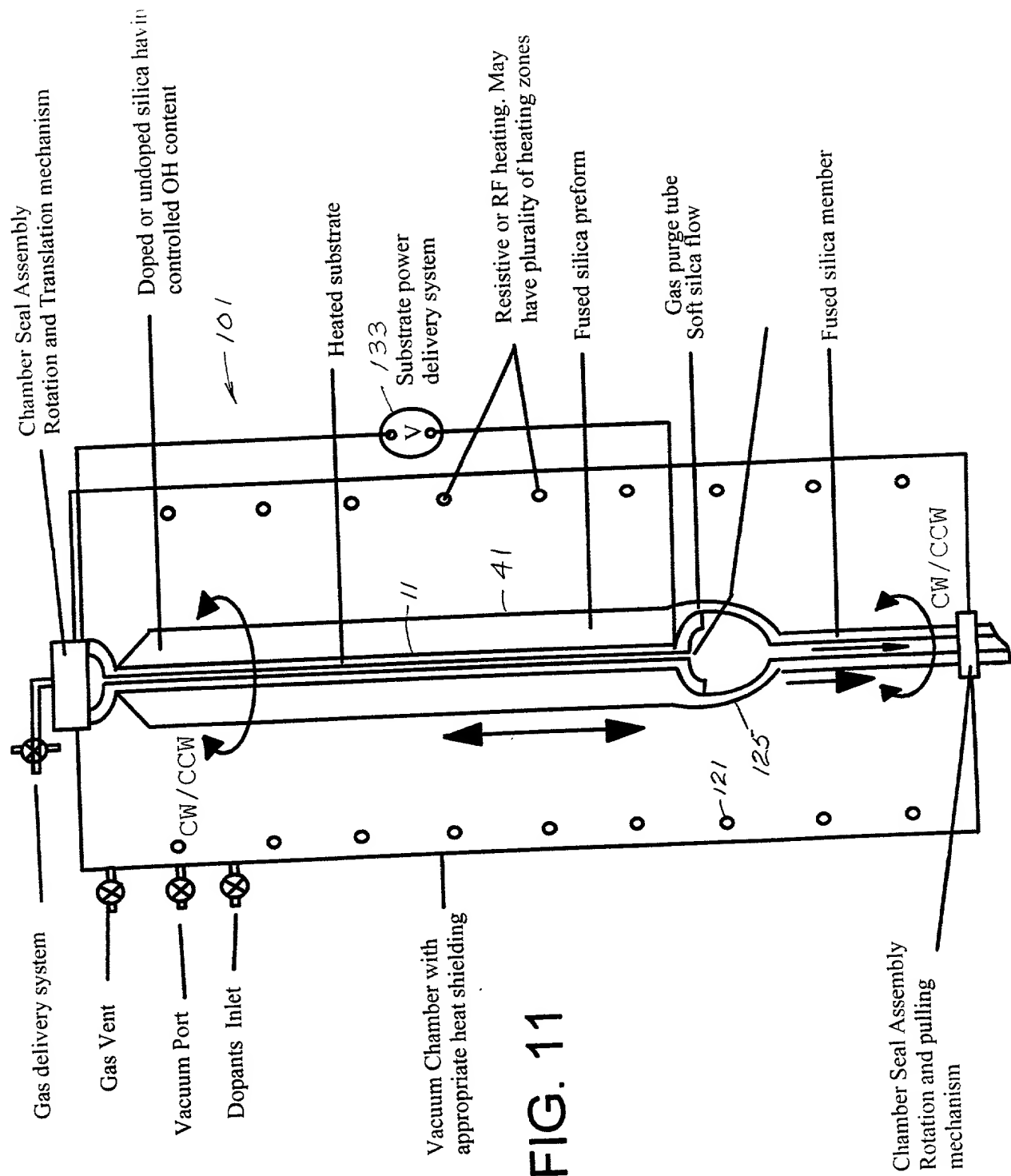


FIG. 11

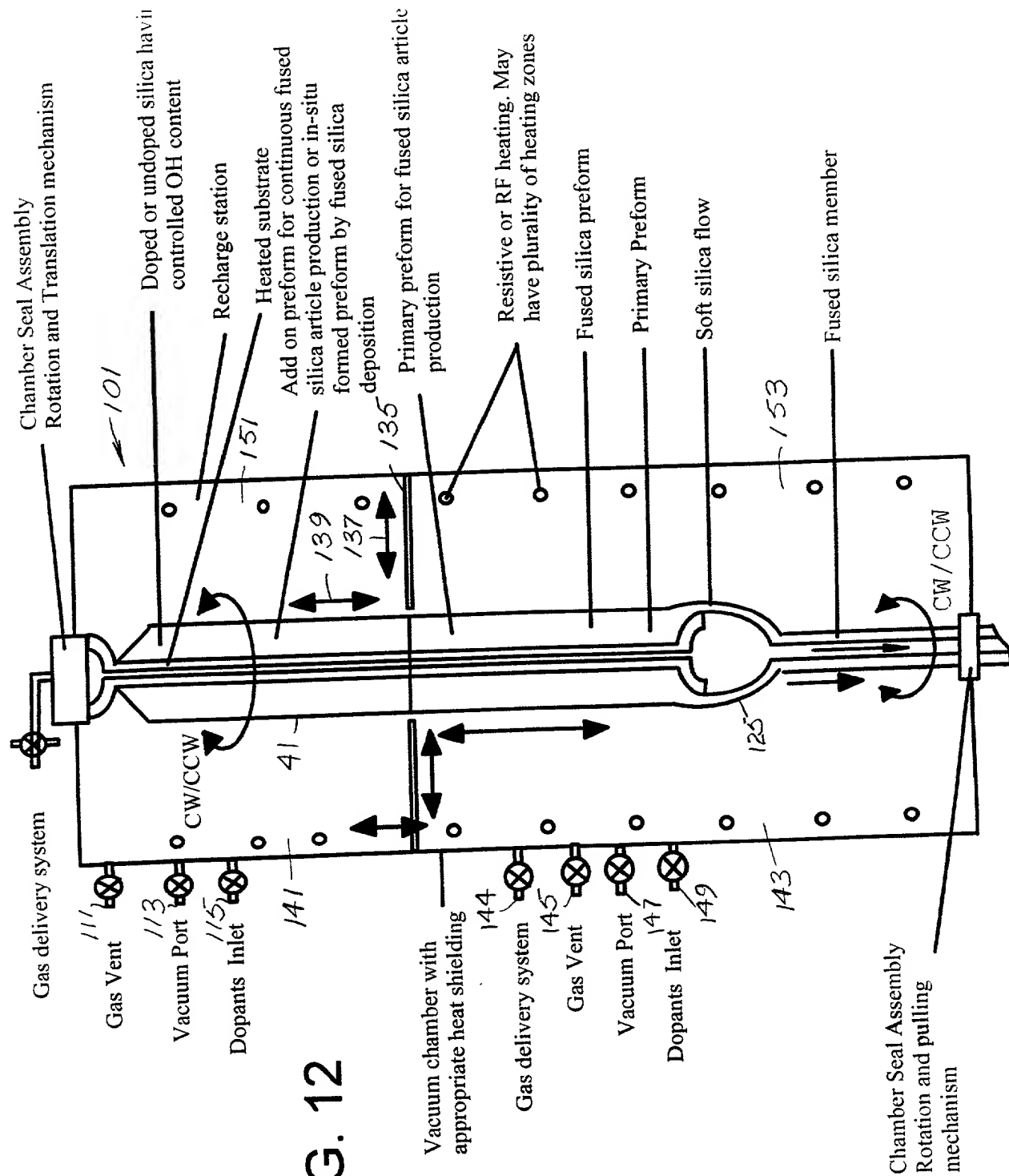


FIG. 12

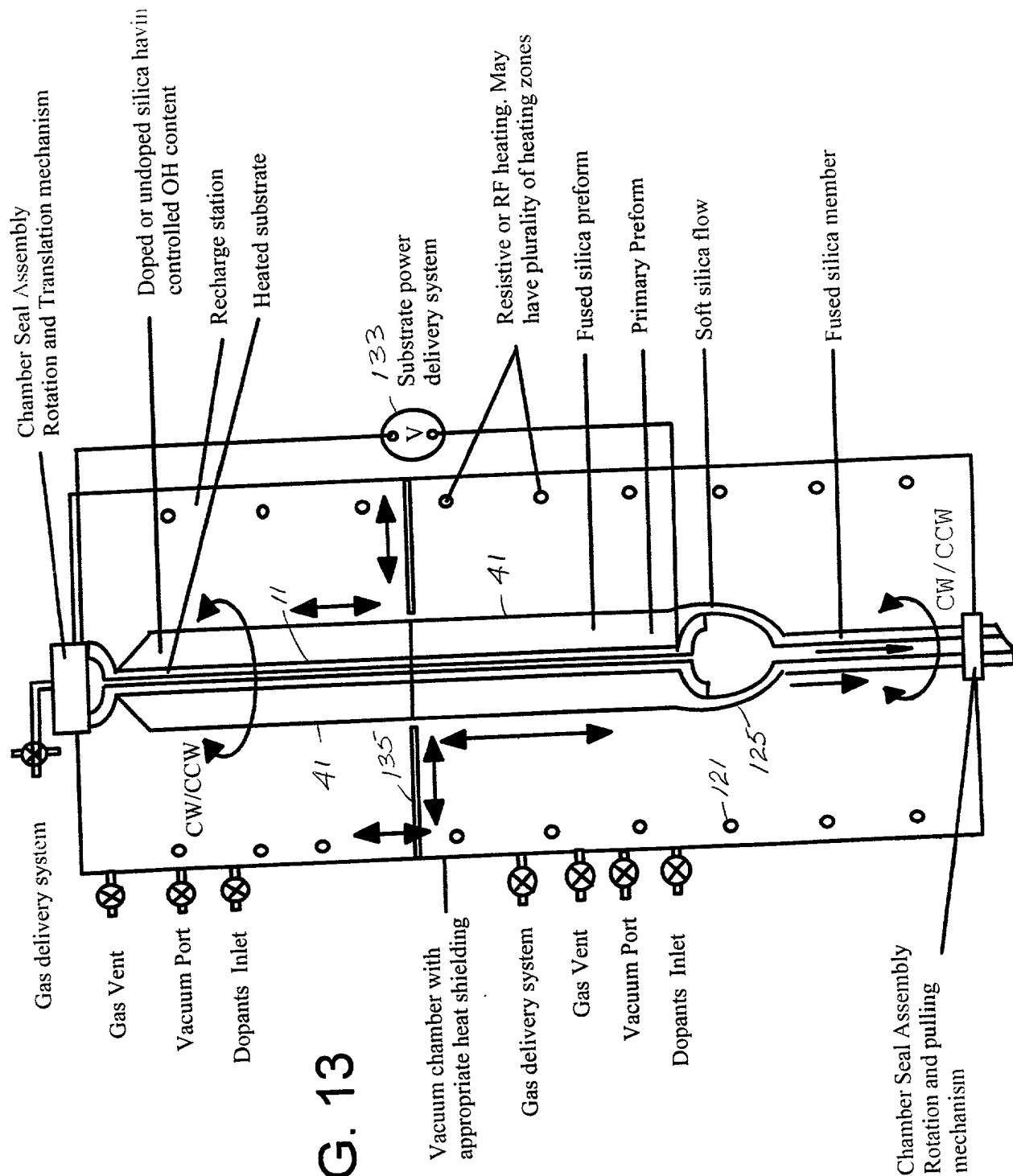


FIG. 13

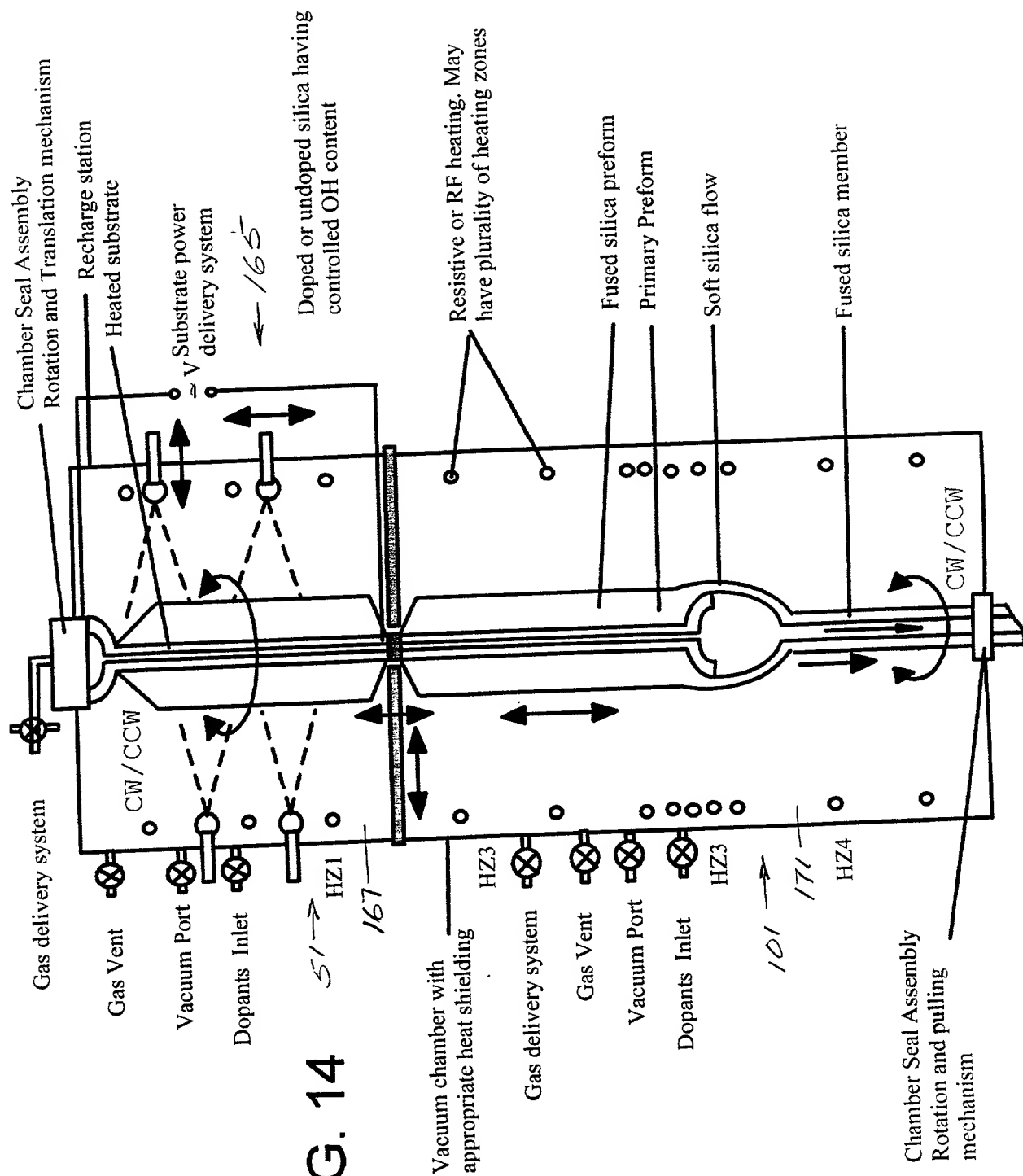
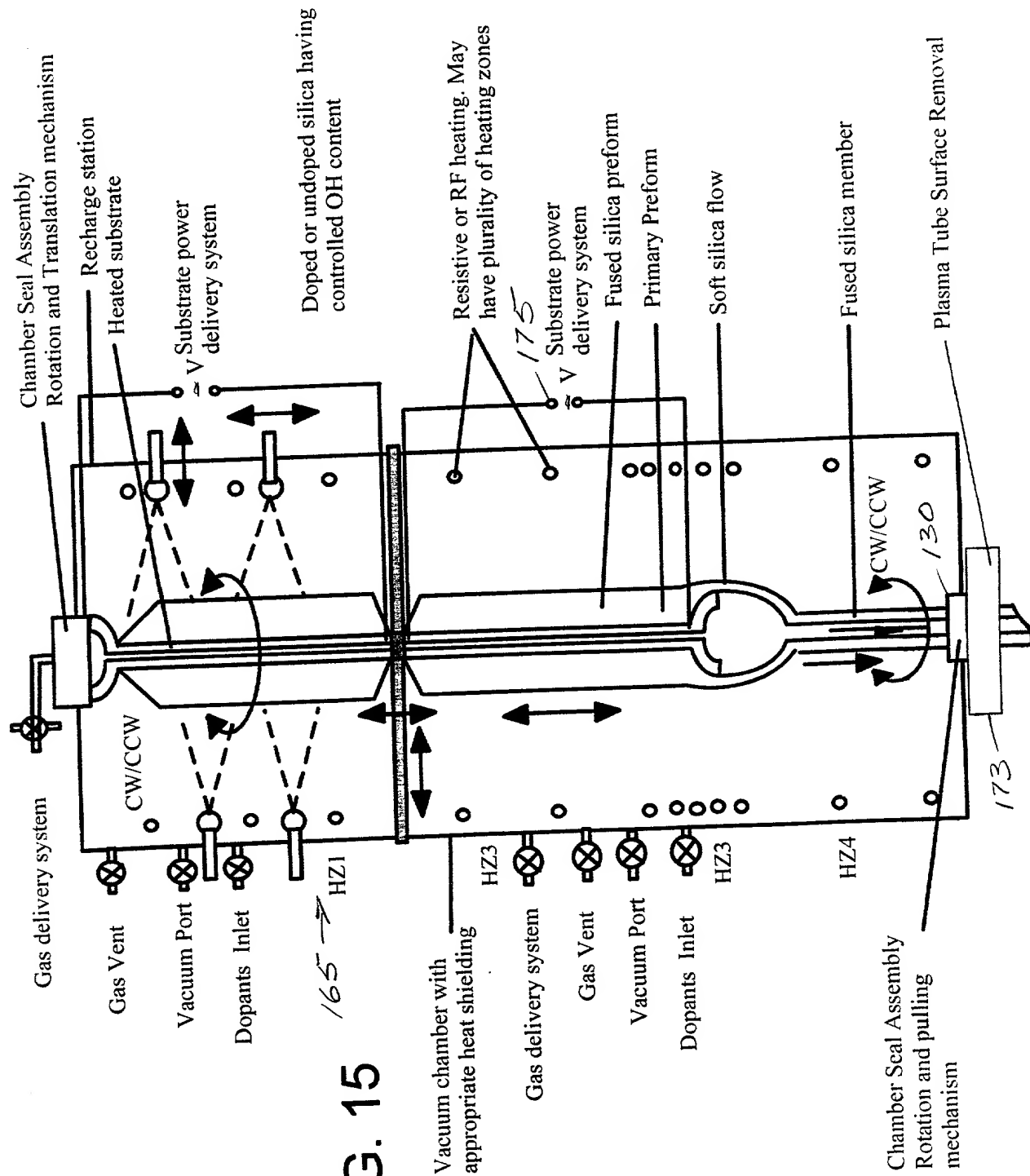
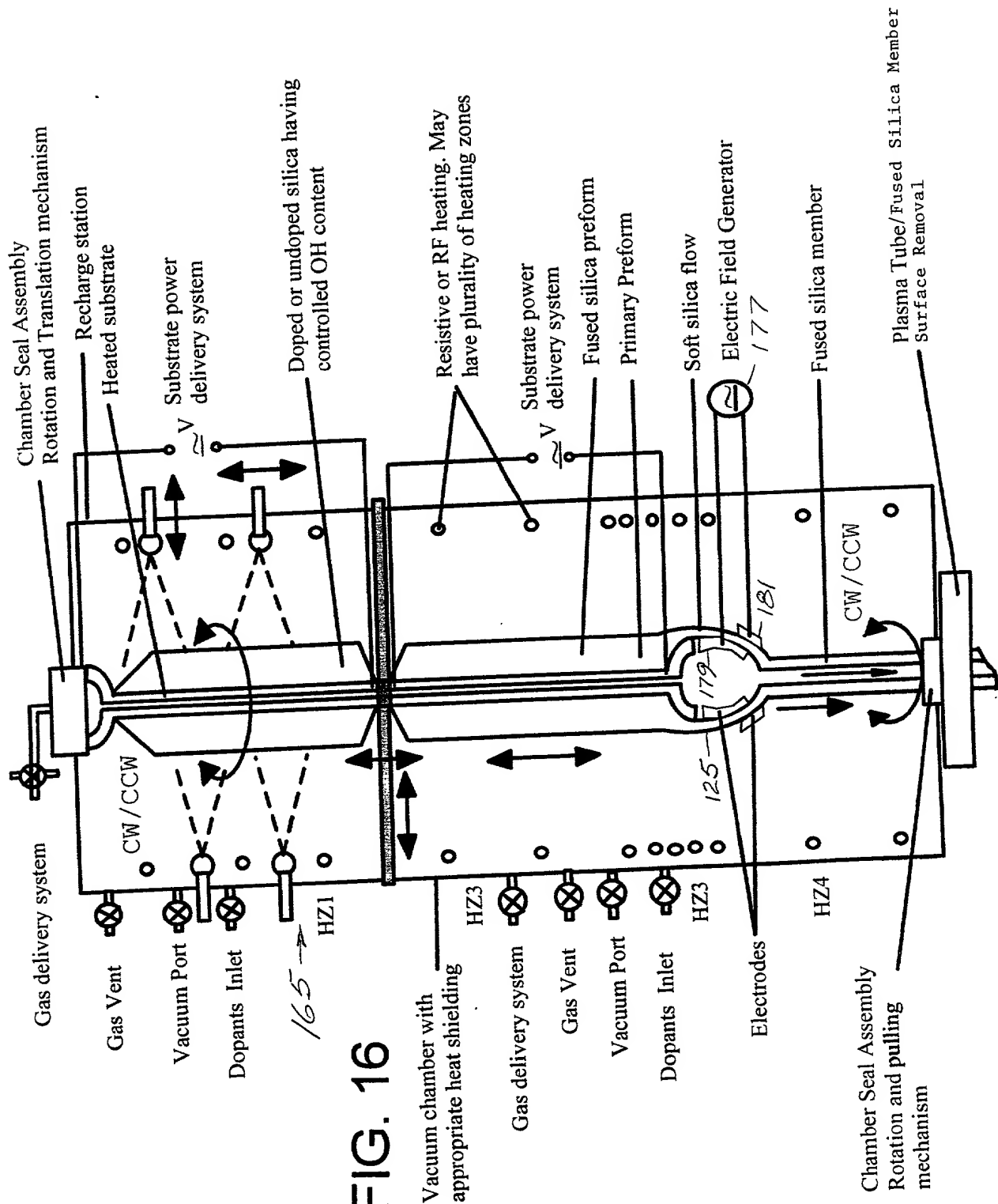
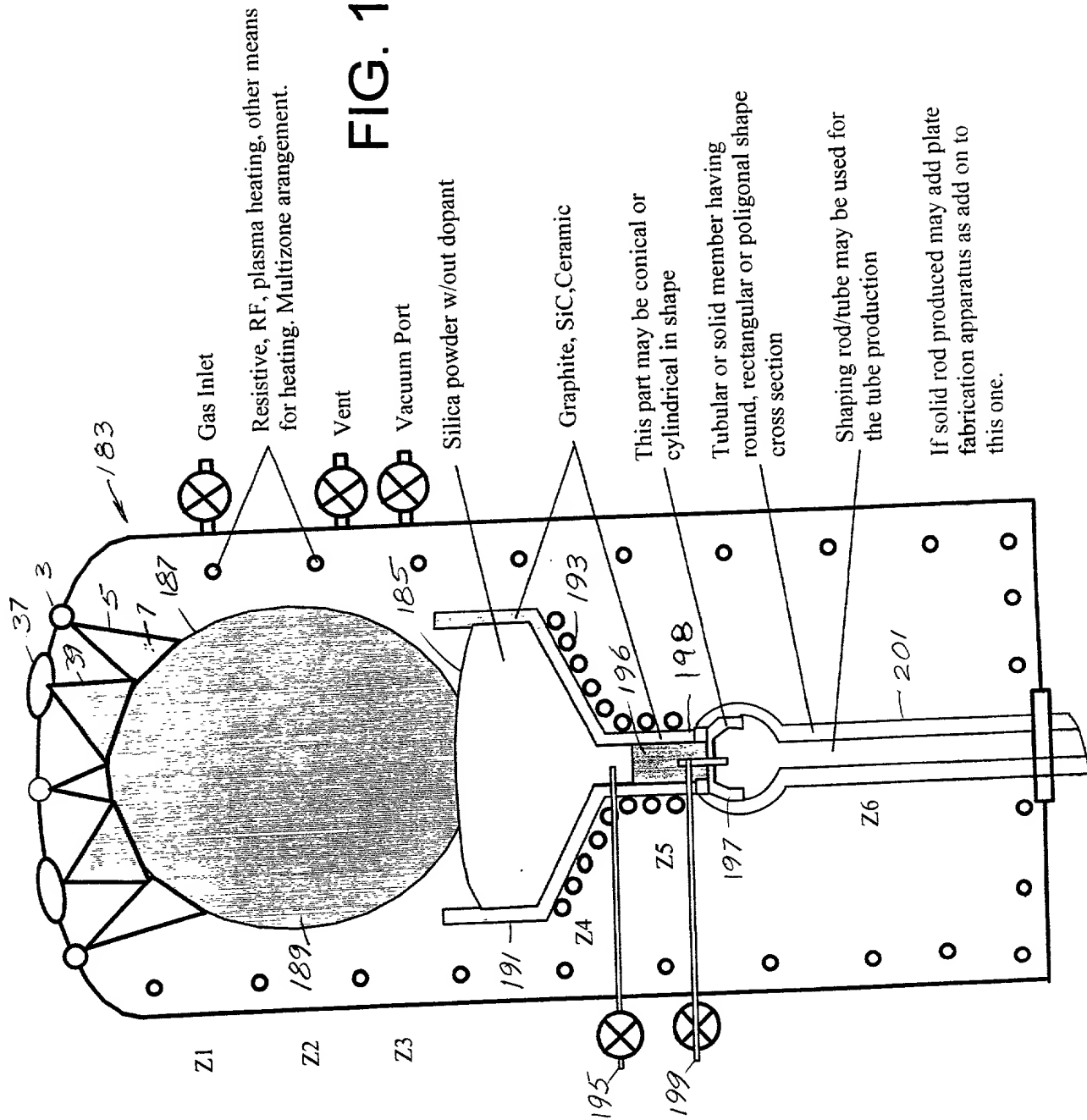


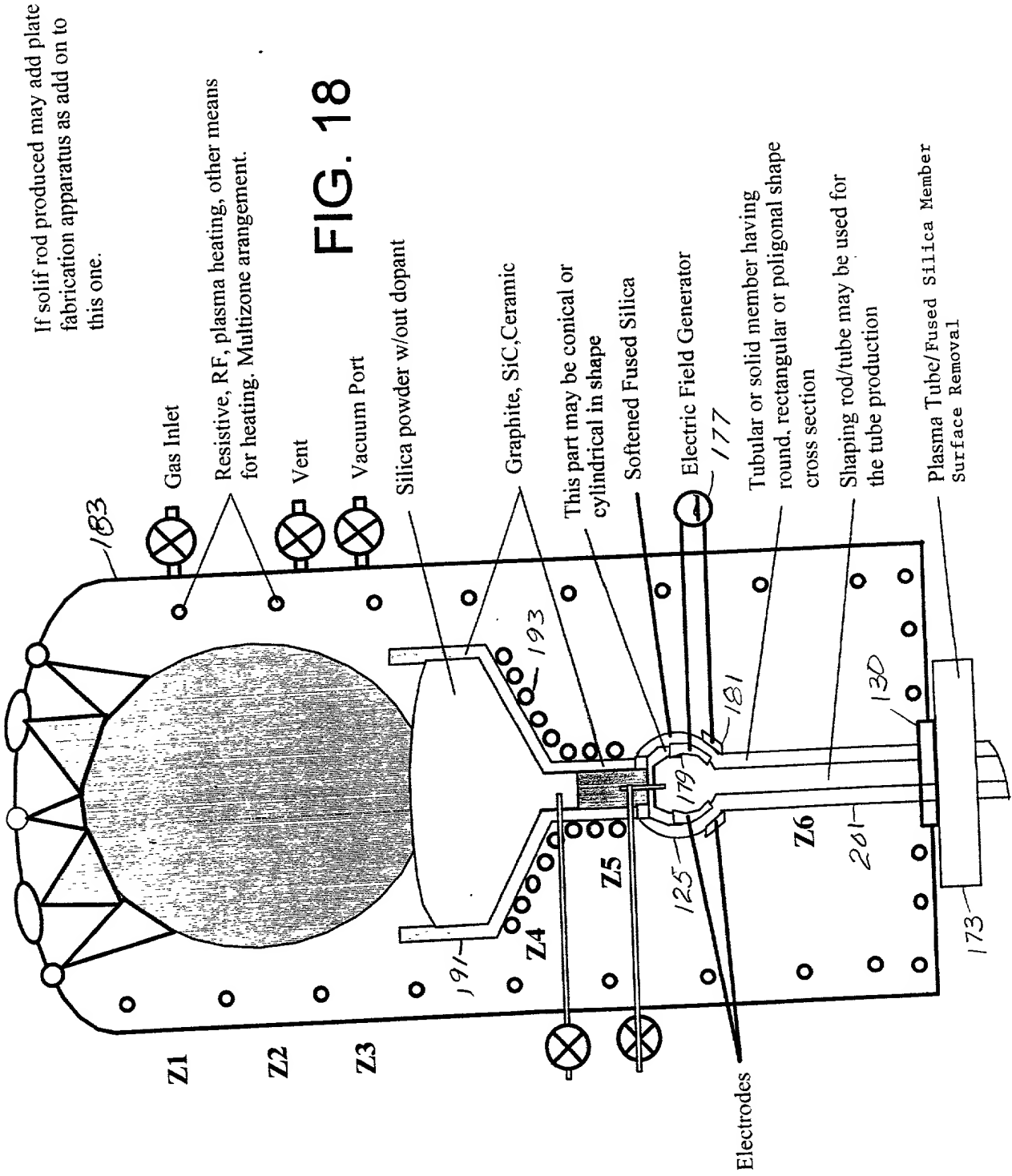
FIG. 14

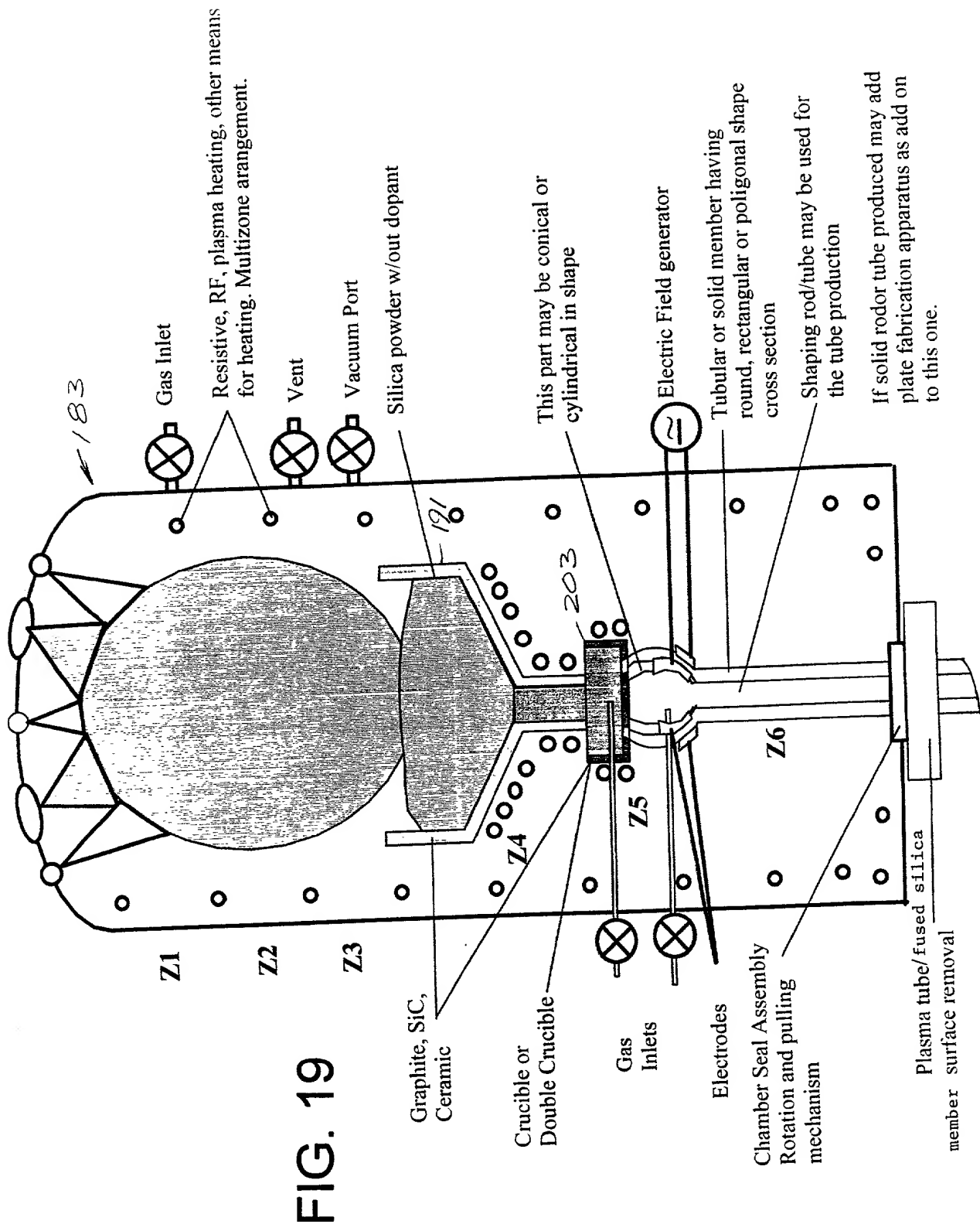












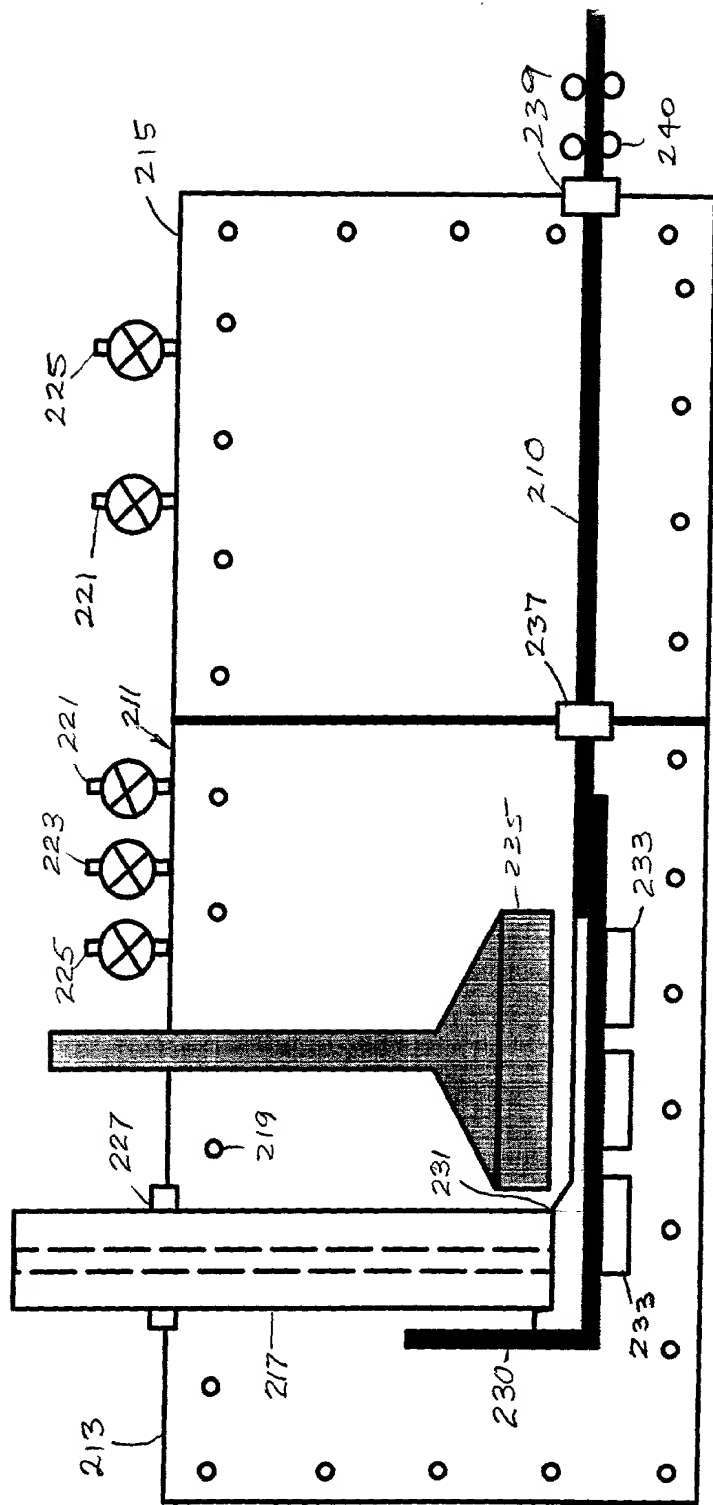


FIG. 20

FIG. 21

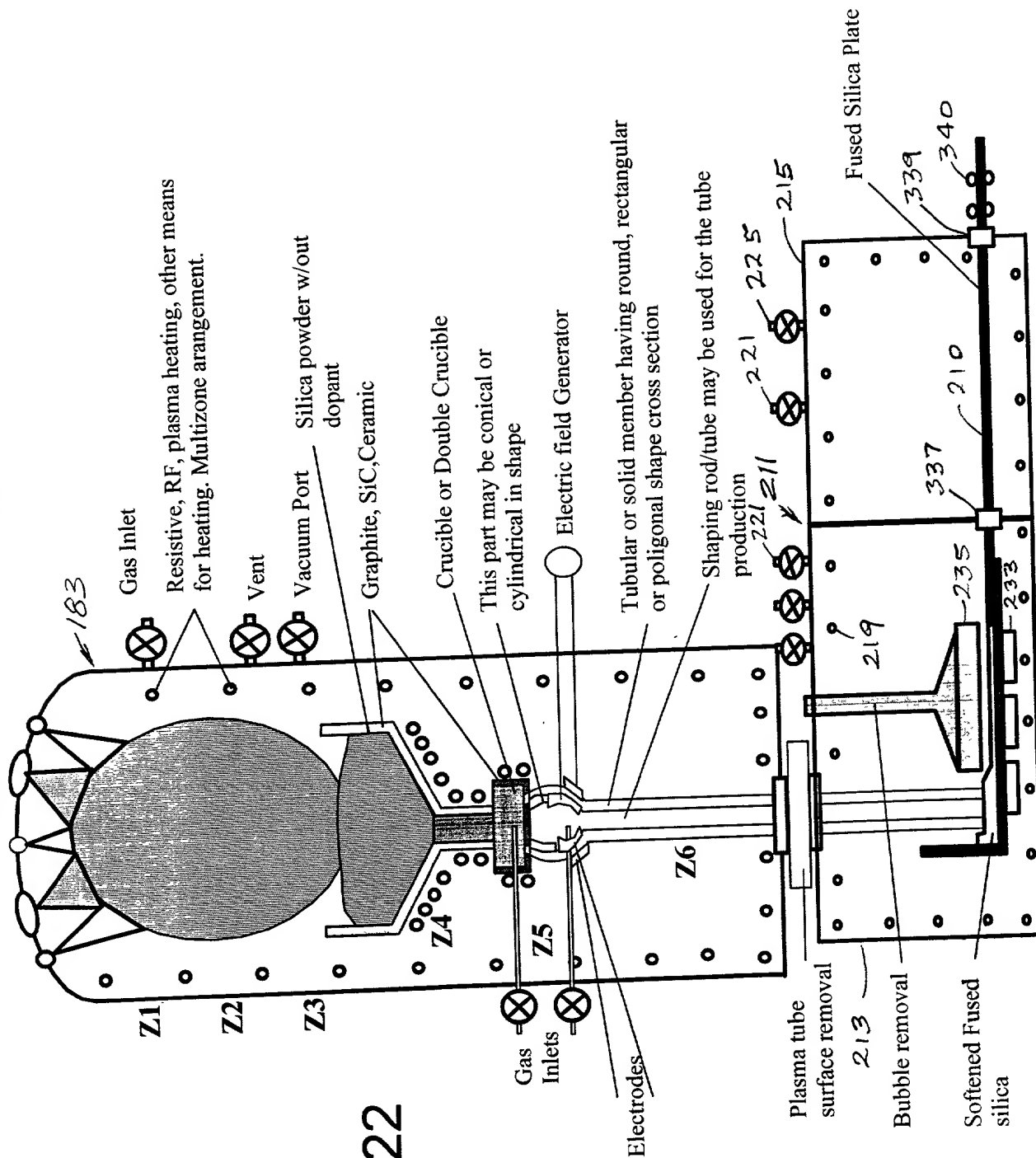


FIG. 22